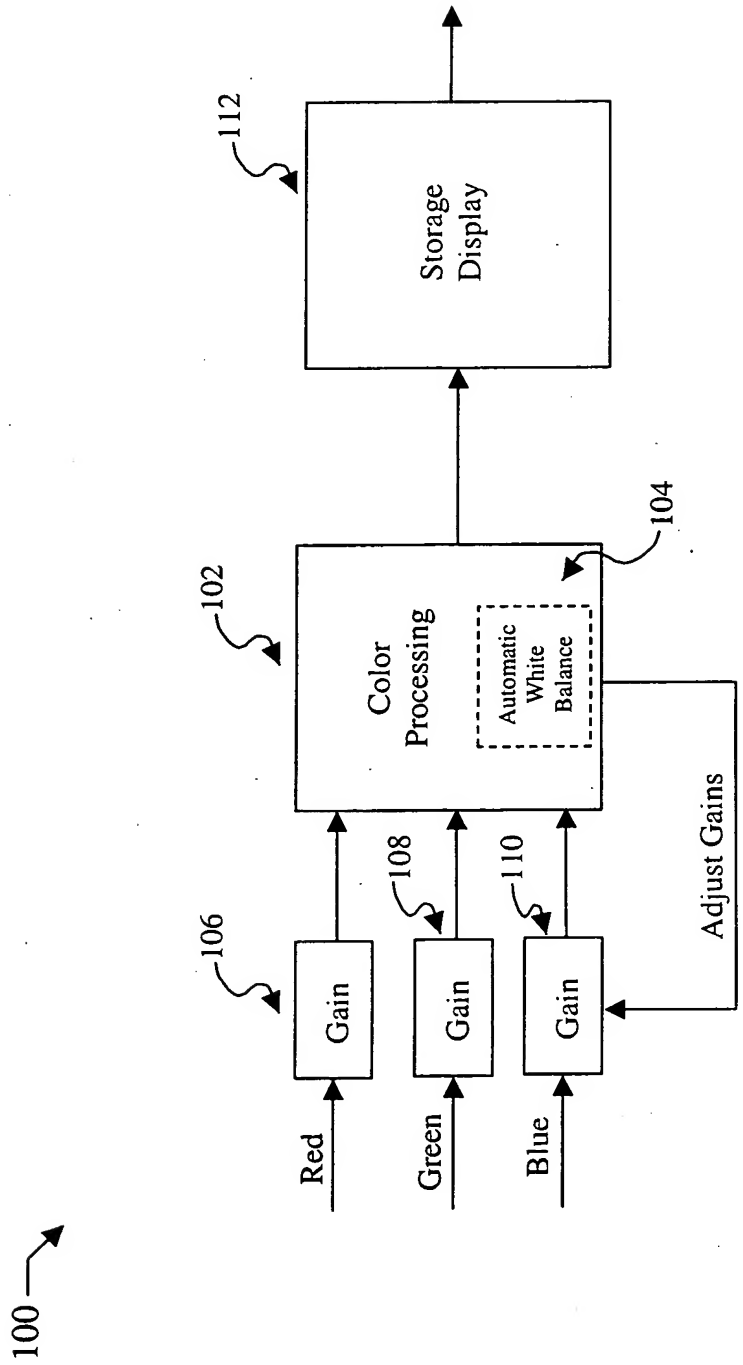
100
112
Storage Display
102
Color Processing
104
Automatic White Balance
Adjust Gains
106
108
110
Gain
Gain
Gain
Red
Green
Blue

Figure 1

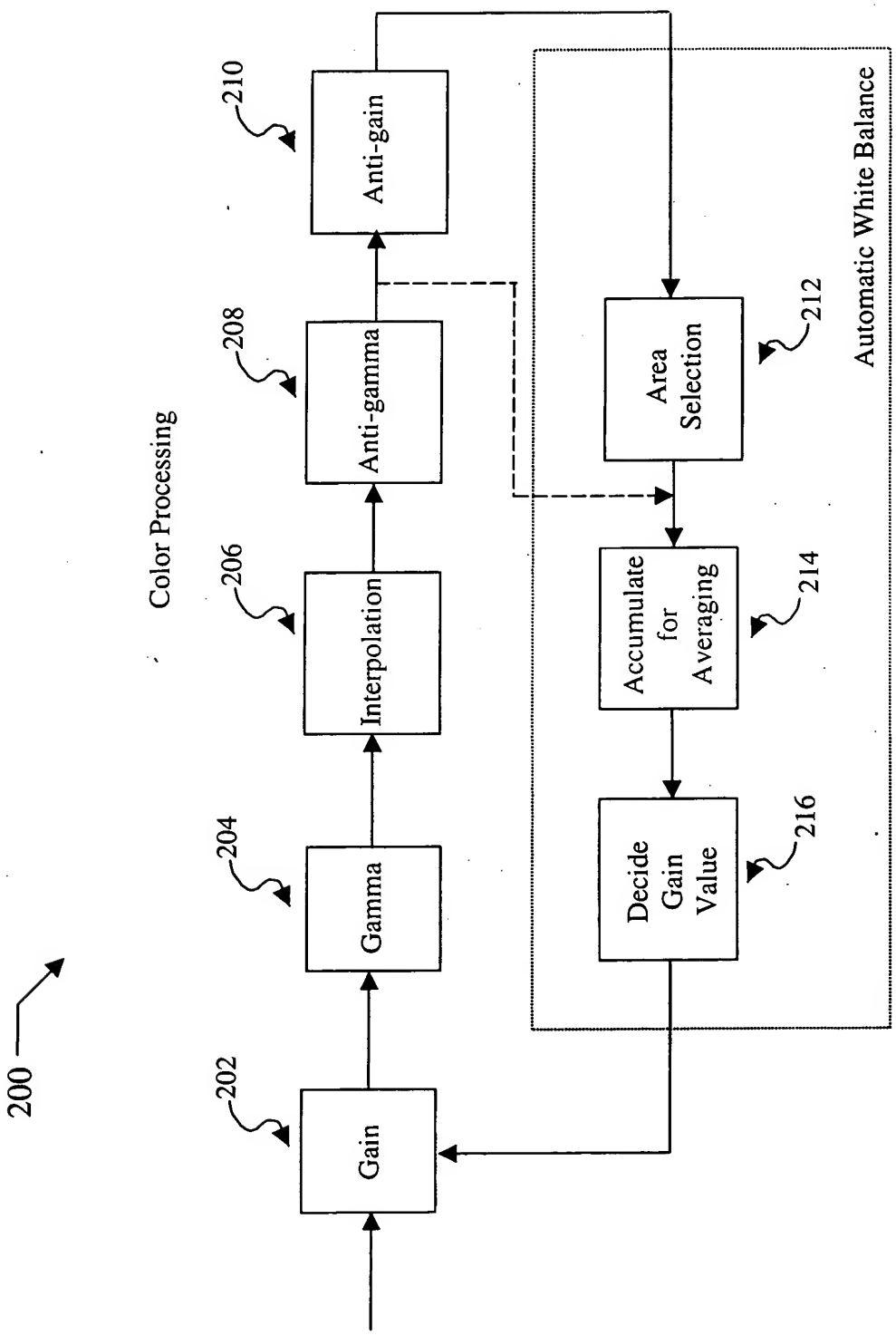
200
Color Processing
202
Gain
204
Gamma
206
Interpolation
208
Anti-gamma
210
Anti-gain
Automatic White Balance
212
Area Selection
214
Accumulate for Averaging
216
Decide Gain Value

Figure 2

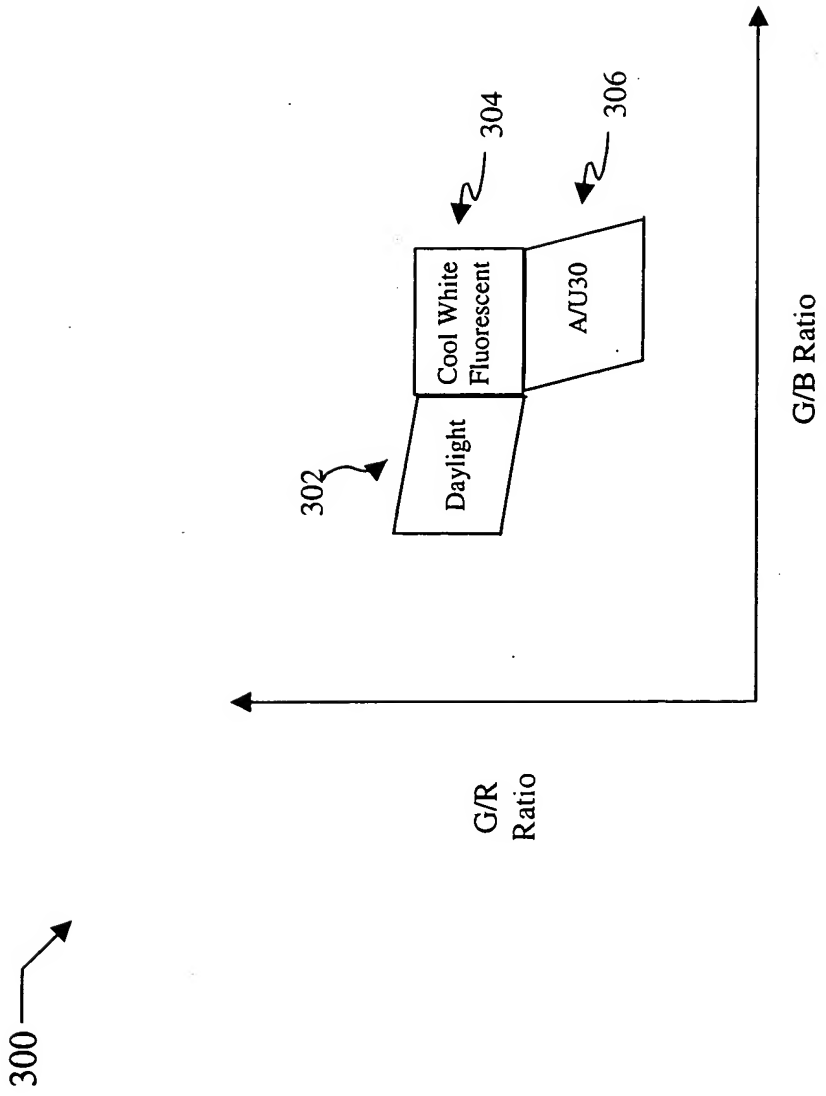
300
G/R Ratio
G/B Ratio
302
Daylight
Cool White Fluorescent
A/U30
304
306

Figure 3

400

Color 1	Color 2	Color 3	Color 4	Color 5	Color 6
White	**Gray 1**	**Gray 2**	**Gray 3**	**Gray 4**	**Black**
Color 7	Color 8	Color 9	Color 10	Color 11	Color 12
Color 13	Color 14	Color 15	Color 16	Color 17	Color 18

Figure 4

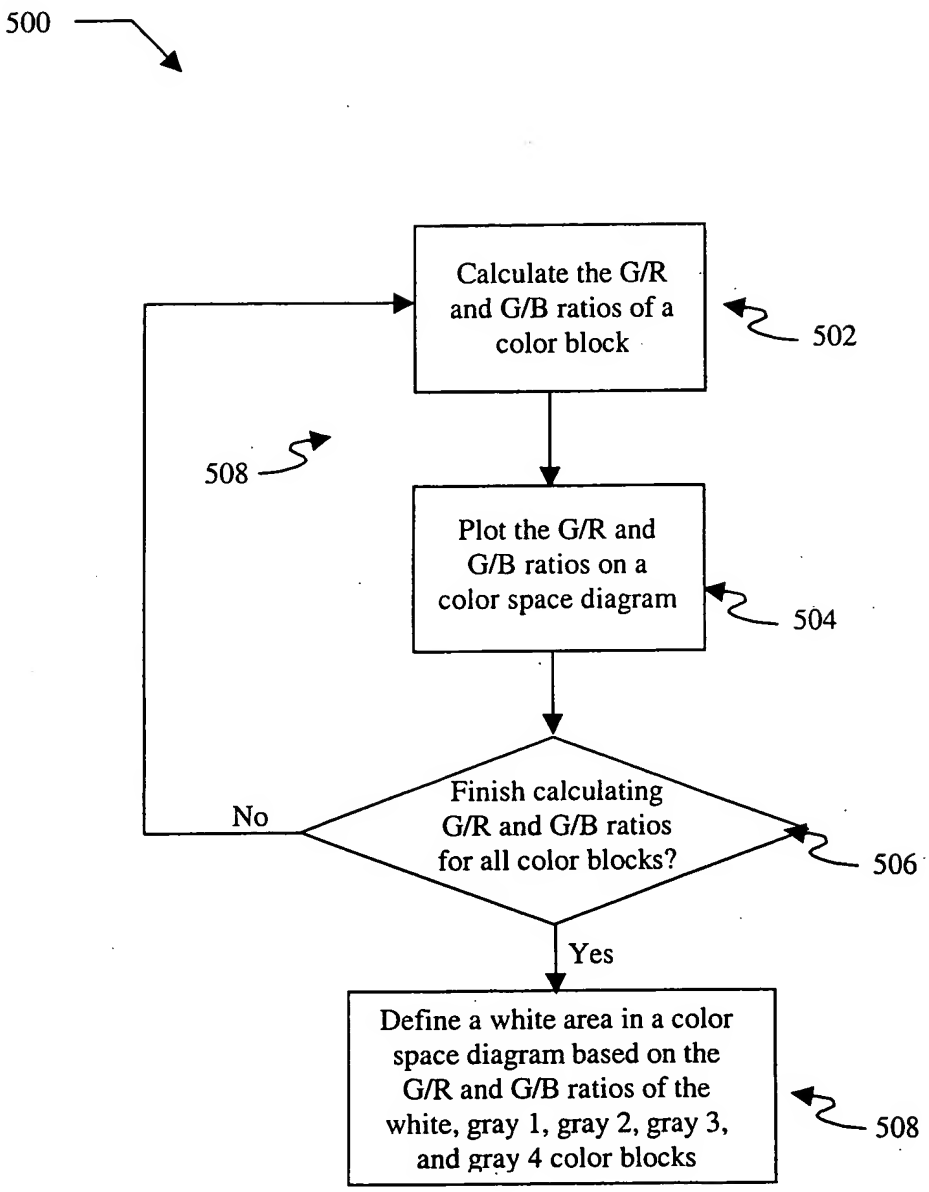
500
Calculate the G/R and G/B ratios of a color block
502
508
Plot the G/R and G/B ratios on a color space diagram
504
Finish calculating G/R and G/B ratios for all color blocks?
506
No
Yes
Define a white area in a color space diagram based on the G/R and G/B ratios of the white, gray 1, gray 2, gray 3, and gray 4 color blocks
508

Figure 5